

HISTORIC PROPERTY INVENTORY FORM

IDENTIFICATION SECTION

Field Site No. 3746 **OAHP No.** **Date Recorded** 20 Oct 1994
Site Name Historic Radiological Physics Building Revised 6 August 1997
Common Radiation Protection Administration Building
Field Recorder M.E. Crist, K.A. Simmons, I.C. Lindsay
Owner's Name U.S. Department of Energy, Richland Operations Office
Address P.O. Box 550
City/State/Zip Code Richland, WA 99352

Status
☒ Survey/Inventory
☐ National Register
☐ State Register
☐ Determined Eligible
☐ Determined Not Eligible
☐ Other (HABS, HAER, NHL)
☐ Local Designation

Photography HCRL
Photography Neg. No. Roll 180, frames 30-33
(Roll No. & Frame No.)
View of All exterior facades
Date 20 October 1994
Photo at right: Roll 180, frame 30
View of north facade

Classification ☐ District ☐ Site ☒ Building ☐ Structure ☐ Object
District Status ☒ NR ☐ SR ☐ LR ☐ INV
Contributing ☒ **Non-Contributing** ☐
District/Thematic Nomination Name Hanford Site Manhattan Project and Cold War Era Historic District

Description Section

Materials & Features/Structural Types

Building Type Industry
Plan Rectangular
Structural System Wood frame
No. of Stories One

Roof Type

☒ Gable ☐ Hip
☐ Flat ☐ Pyramidal
☐ Monitor ☐ Other (specify)
☐ Gambrel
☐ Shed

Roof Material

☐ Wood Shingle
☐ Wood Shake
☐ Composition
☐ Slate
☐ Tar/Built-up
☐ Tile
☐ Metal (specify)
☒ Other (specify) Asphalt shingles
☐ Not visible

Foundation

☐ Log ☐ Concrete
☐ Post & Pier ☐ Block
☐ Stone ☒ Poured
☐ Brick ☐ Other (specify)
☐ Not visible

Cladding (Exterior Wall Surfaces)

☐ Log
☐ Horizontal Wood Siding
Rustic/Drop ☐
Clapboard ☐
☐ Wood Shingle
☐ Board and Batten
☐ Vertical Board
☒ Asbestos/Asphalt (Transite shingles)
☐ Brick
☐ Stone
☐ Stucco
☐ Terra Cotta
☐ Concrete/Concrete Block
☐ Vinyl/Aluminum Siding
☐ Metal (specify)
☐ Other (specify)

Integrity

(Include detailed description in
Description of Physical Appearance)

	Intact	Slight	Moderate	Extensive
Changes to plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Changes to windows	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Changes to original cladding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Changes to interior	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

State of Washington, Department of Community Development
Office of Archaeology and Historic Preservation
111 21st Avenue Southwest, Post Office Box 48343
Olympia, Washington 98504-8343 (206)753-4011

LOCATION SECTION

Address Building 3746, 300 Area
City/Town/County/Zip Code Richland/Benton County/99352
Twp. 10 N Range 28 E Section 11 1/4 Section NW 1/4 1/4 Sec
Tax No./Parcel No. **Acreage**
Quadrangle or map name Richland, Washington Quad. - 7.5 min. series, 1986
UTM References Zone 11 Easting 324460 Northing 5137860
Plat/Block/Lot 325310 5137820
Supplemental Map(s) 325550 5136690
324440 5136720



High Styles/Forms (Check one or more of the following)

<input type="checkbox"/> Greek Revival	<input type="checkbox"/> Spanish Colonial Revival/Mediterranean
<input type="checkbox"/> Gothic Revival	<input type="checkbox"/> Tudor Revival
<input type="checkbox"/> Italianate	<input type="checkbox"/> Craftsman/Arts & Crafts
<input type="checkbox"/> Second Empire	<input type="checkbox"/> Bungalow
<input type="checkbox"/> Romanesque Revival	<input type="checkbox"/> Prairie Style
<input type="checkbox"/> Stick Style	<input type="checkbox"/> Art Deco/Art Moderne
<input type="checkbox"/> Queen Anne	<input type="checkbox"/> Rustic Style
<input type="checkbox"/> Shingle Style	<input type="checkbox"/> International Style
<input type="checkbox"/> Colonial Revival	<input type="checkbox"/> Northwest Style
<input type="checkbox"/> Beaux Arts/Neoclassical	<input type="checkbox"/> Commercial Vernacular
<input type="checkbox"/> Chicago/Commercial Style	<input type="checkbox"/> Residential Vernacular (see below)
<input type="checkbox"/> American Foursquare	<input checked="" type="checkbox"/> Other (specify)
<input type="checkbox"/> Mission Revival	<input type="checkbox"/> Industrial Vernacular

Vernacular House Types

<input type="checkbox"/> Gable Front	<input type="checkbox"/> Cross Gable
<input type="checkbox"/> Gable Front and Wing	<input type="checkbox"/> Pyramidal/Hipped
<input type="checkbox"/> Side Gable	<input type="checkbox"/> Other (specify)

NARRATIVE SECTION

Study Unit Themes (check one or more of the following)

☐ Agriculture
☐ Architecture/Landscape Architecture
☐ Arts
☐ Commerce
☐ Communications
☐ Community Planning/Development

☐ Conservation
☐ Education
☐ Entertainment/Recreation
☐ Ethnic Heritage (specify) _____
☐ Health/Medicine
☐ Manufacturing/Industry
☐ Military

☐ Politics/Government/Law
☐ Religion
☐ Science & Engineering
☐ Social Movements/Organizations
☐ Transportation
☒ Other (specify) Manhattan Project/Cold War Era
☒ **Study Unit Sub-Theme(s)** Health Safety, Administrative Support

Statement of Significance

Date of Construction 1945 Architect/Engineer/Builder E.I. du Pont de Nemours and Company

☒ In the opinion of the surveyor, this property appears to meet the criteria of the National Register of Historic Places.

☒ In the opinion of the surveyor, this property is located in a potential historic district (National and/or local).

The function of the 3746 Radiation Protection Administration Building was to provide office space for personnel associated with health physics and research and development projects in the 3746-A, 3745-A, and 3745-B Buildings. These buildings housed ground-breaking research involving the use of particle accelerators through the early 1990s, including the development of dosimetry calibration and the effects of high energy neutron bombardment of biological tissues. The 3746 Building contained a small electronics laboratory, shop, dark room, four offices, a store room, and two rest rooms. Both the interior and exterior wall surfaces have been replaced during the building's history as have the window styles. Around 1981 office space was slightly modified to accommodate an interconnecting corridor built in conjunction with the 3746-A Building construction. Due to the 3746 Building's supporting role in the pioneering efforts of Hanford's health physics research and development program, it is the conclusion of the U.S. Department of Energy that Building 3746 is eligible for inclusion in the National Register of Historic Places under Criterion A as a contributing property within the Hanford Site Manhattan Project and Cold War Era Historic District.

Description of Physical Appearance

The 3746 Building is a one story, rectangular structure with a wood frame and gable roof. The roof is asphalt tile. The roof line is framed with wood as are the windows. The dimensions of the building are 30.5 feet by 72.5 feet by 21.5 feet with the long axis going north-south. At an unknown date (perhaps during the 3746-A addition) the original drop siding was covered with Transite shingles, and the original double hung windows were replaced with fixed single pane windows. During the construction of the 3746-A Building, acoustic tile ceilings were added over the existing ceiling in 3746, and the original Transite board interior wall surface was replaced with gypsum wallboard. Office walls and partitions along the west wall were removed to make room for the new connecting corridor. An existing door at the south end of the building was removed and sided over when the south end of the hallway was outfitted as a janitor's closet during the renovation. On the east wall of the building, patches of shingles appear newer than the rest and appear to have been replaced in-kind. There are six windows asymmetrically placed along the wall. There are two similar windows on the south wall. Above the windows and off-center is a louver. On the west wall is a concrete block corridor connecting 3746 to the 3746-A Building added during the construction of the 3746-A Building in the late 1970s. In the center of the north wall is the building's only entrance, and on either side of the door are two vertical, single pane windows.

Major Bibliographic References

Battelle Facilities Administration. 1984. *Facilities Catalog*. Battelle/Pacific Northwest Laboratories, Richland, Washington.

Gerber, M.S. 1993. *Manhattan Project Buildings and Facilities at Hanford: A Construction History*. Westinghouse Hanford Company. Richland, Washington.

Westinghouse Hanford Company. 1994. *300 Area Building Catalog*. Richland, Washington.

Westinghouse Hanford Company. 1994. *Condition Assessment Survey, 3746 Building*. Richland, Washington.